



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/725,881

12/02/2003

Anthony J. Yeates

M61.12-0564

3385

27366

7590

09/03/2008

WESTMAN CHAMPLIN (MICROSOFT CORPORATION)

SUITE 1400

900 SECOND AVENUE SOUTH

MINNEAPOLIS, MN 55402-3244

EXAMINER

DADA, BEEMNET W

ART UNIT

PAPER NUMBER

2135

MAIL DATE

DELIVERY MODE

09/03/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/725,881	Applicant(s) YEATES ET AL.	
	Examiner BEEMNET W. DADA	Art Unit 2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 May 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9, 11, 12 and 14-29 is/are pending in the application.
- 4a) Of the above claim(s) 18-25 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9, 11-12 and 14-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Applicant's election without traverse of Group I, claims 1-9, 11-12, 14-17 and 26-29 of in the reply filed on May 19, 2008 is acknowledged. Claims 1-9, 11-12 and 14-29 are pending.

Response to Arguments

Applicant's arguments with respect to claims 1-9, 11-12, 14-17 and 26-29 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-9, 11-12, 14-17 and 26-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jancula US 2002/0023208 A1 in view of Sinha et al. US 2003/0115341 A1 (hereinafter Sinha).

As per claim 1, Jancula teaches a computer-implemented method for enhancing the security of communication over a network, the method comprising:

receiving a set of authentication credentials from a user [paragraphs 0056-0057 and 0069-0071];

receiving from the user a request that requires communication over the network with a remote system [paragraphs 0056-0057 and 0070-0073];

applying a collection of security privileges to the set of authentication credentials to determine if the user is authorized to carry out the request [paragraphs 0057-0058 and 0071-0075];

selectively transmitting a security certificate over the network to the remote system, the certificate containing a public key [paragraphs 0056-0057];

receiving from the remote system a session ticket that has been encrypted with the public key [paragraph 0088];

decrypting the session ticket with a corresponding private key [paragraph 0089-0091];

using the session ticket as an authenticator for subsequent communications with the remote system [paragraphs 0093-0096]. Jancula is silent on applying collection of privileges based at least in part upon a role-based determination that involves referencing a record that assigns access privileges to various roles that can be assumed by the user. Sinha teaches applying collection of privileges based at least in part upon a role-based determination that involves referencing a record that assigns access privileges to various roles that can be assumed by the user [paragraphs 0039-0041 and 0043-0044]. It would have been obvious to one having ordinary skill in the art at the time of applicant's invention to employ the teachings of Sinha within the system of Jancula in order to enhance the security of the system.

As per claim 12, Jancula teaches a computer-implemented method for enhancing the security of communication over a network, the method comprising:

generating a public key and a corresponding private key [paragraph 0056];

storing the private key [paragraph 0056];

Art Unit: 2135

transmitting the public key over the network to a registration service [paragraphs 0056-0057];

receiving from the registration service a security certificate that includes the public key [paragraphs 0056-0057];

transmitting the security certificate over the network to an entity with which a channel of communication is desired [paragraphs 0056-0057];

receiving from the entity a session ticket encrypted with the public key [paragraphs 0060 and 0088];

decrypting the session ticket with the private key [paragraphs 0061 and 0089-0091];
and

using the session ticket as an authenticator for subsequent communications with the entity [paragraphs 0062 and 0093-0096]. Jancula is silent on using the session ticket as a cryptography key for encrypting or decrypting messages. Sinha teaches using the session ticket as a cryptography key for encrypting or decrypting messages [paragraphs 0039-0041]. It would have been obvious to one having ordinary skill in the art at the time of applicant's invention to employ the teachings of Sinha within the system of Jancula in order to enhance the security of the system.

As per claim 26 Jancula teaches a computer-implemented method for enhancing the security of communication over a network between multiple peer application hosts, the method comprising:

receiving a security certificate from a first application host [paragraphs 0056-0057];

generating a session ticket [paragraphs 0085 and 0088];

encrypting the session ticket with a public key contained in the security certificate [paragraphs 0060 and 0088];

transmitting the session ticket to the first application host [paragraph 0088]; and
receiving a message from the first application host [paragraphs 0091-0096]. Jancula is silent on the message being at least partially encrypted in accordance with the session ticket prior to its being encrypted with the public key. Sinha teaches an authentication system including message being at least partially encrypted in accordance with the session ticket prior to its being encrypted with the public key [paragraphs 0039-0041].

As per claims 2-7, Jancula further teaches the method wherein: selectively transmitting a security certificate to the remote system comprises selectively transmitting a security certificate to a service provider configured to extend the functionality of a software application by remotely providing a service, and receiving from the user a request comprises receiving a request for a delivery of said service [paragraphs 0056-0057 and 0085].

As per claim 8, Jancula further teaches the method wherein selectively transmitting a security certificate comprises selectively transmitting a security certificate that contains an embedded indication of the identity of an entity associated with which the user is associated [paragraphs 0056-0057].

As per claims 9 and 11, Jancula further teaches the method wherein applying a collection of security privileges comprises applying a collection of security privileges wherein access rights are distributed among a plurality of user accounts each associated with a different set of authentication credentials [paragraphs 0057-0058 and 0071-0075].

As per claims 14-15, Jancula further teaches the method wherein transmitting the security certificate over the network comprises transmitting the security certificate to a service provider configured to extend the functionality of a software application by remotely providing a service [paragraphs 0056-0057].

As per claims 16-17, Jancula further teaches the method wherein transmitting the security certificate over the network comprises transmitting the certificate to a remote peer [paragraphs 0056-0057].

As per claim 27, Jancula further teaches the method further comprising: generating a response message, encrypting the response message, and transmitting the message to the first application host [paragraphs 0056-0057 and 0088].

As per claims 28 and 29, Jancula further teaches the method further comprising authenticating the certificate [paragraphs 0056-0057].

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BEEMNET W. DADA whose telephone number is (571)272-3847. The examiner can normally be reached on Monday - Friday (9:00 am - 5:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2135

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Beemnet W Dada/

Art Unit 2135

August 30, 2008